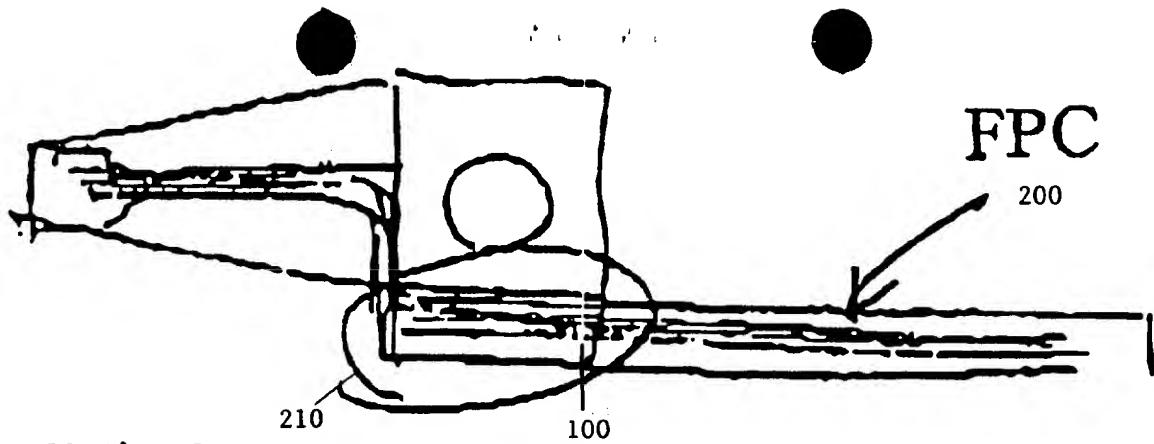


Wireless Suspensions

FIG. 1

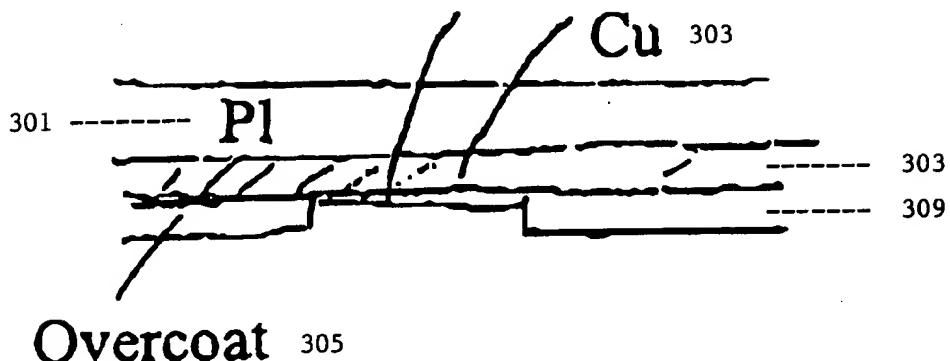


Wireless suspension + FPC

FIG. 2

200

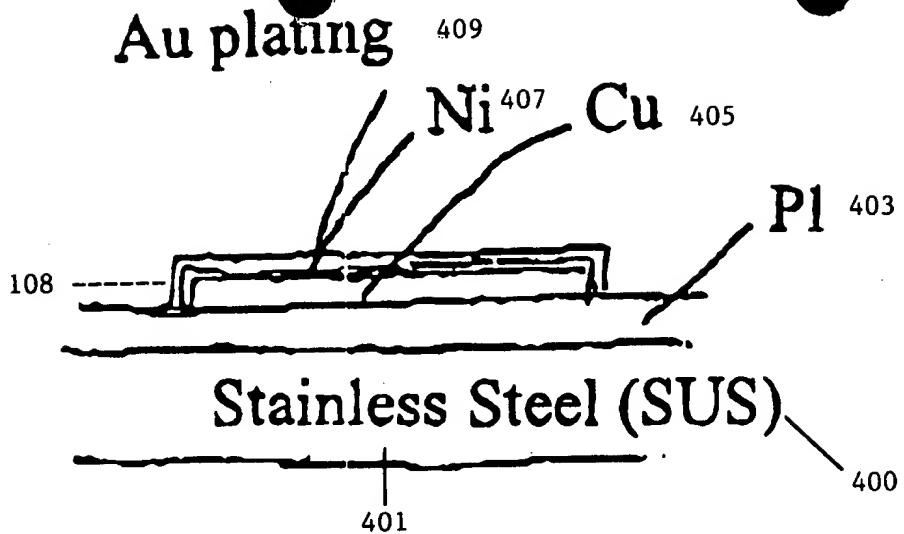
Au plating 307



Structure of a conventional FPC cross section

(prior art)

FIG. 3



Cross-section of the structure of
a suspension bonding pad (prior art)

FIG. 4

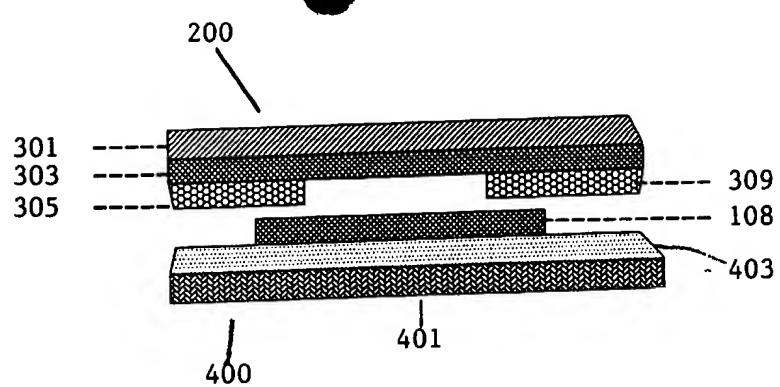
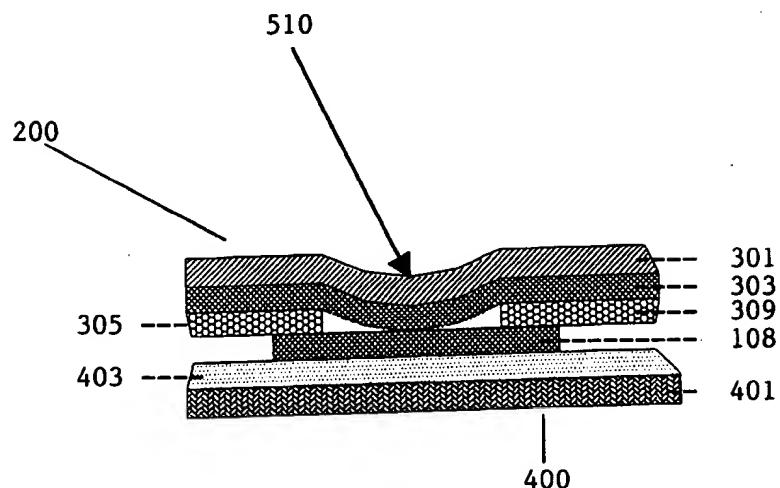


FIG. 5A

Using bonding tool and heat press
make the deformation for contact



ACF
BONDING

FIG. 5B

After reliability test,
We found out open issue
due to spring back

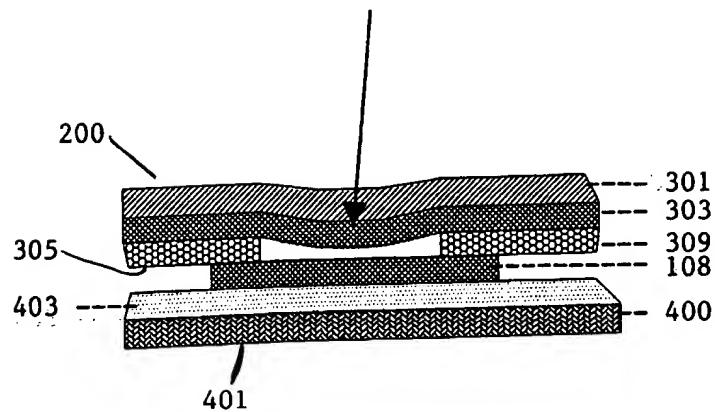


FIG. 5C

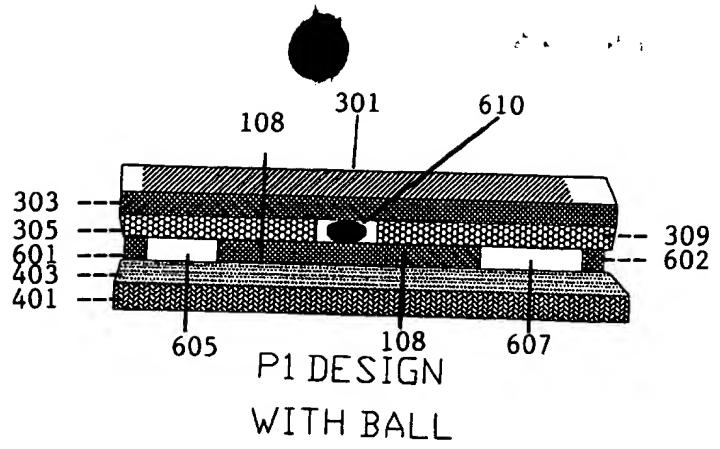


FIG. 6

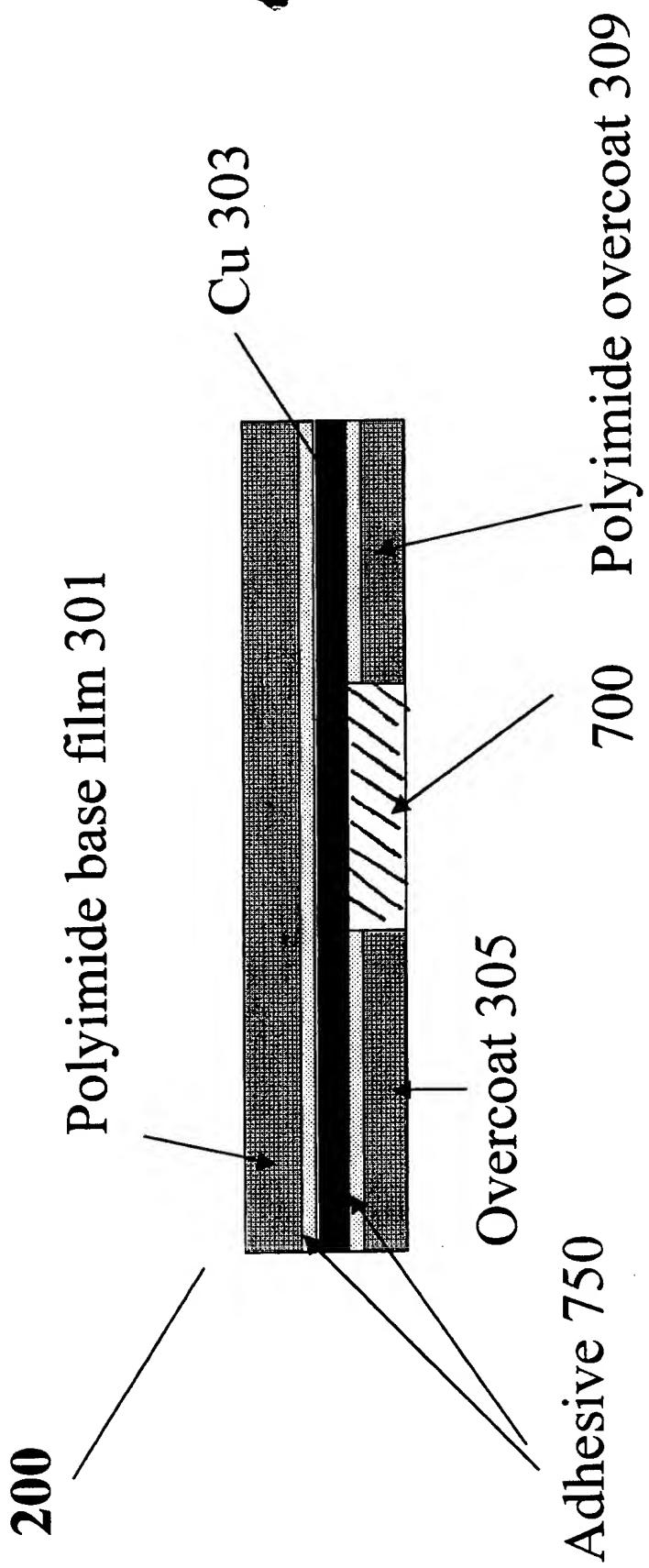


FIG. 7

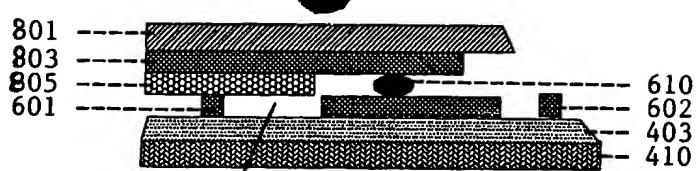


FIG. 8

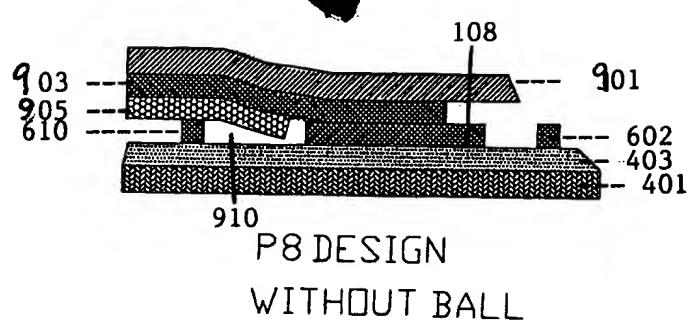


FIG. 9

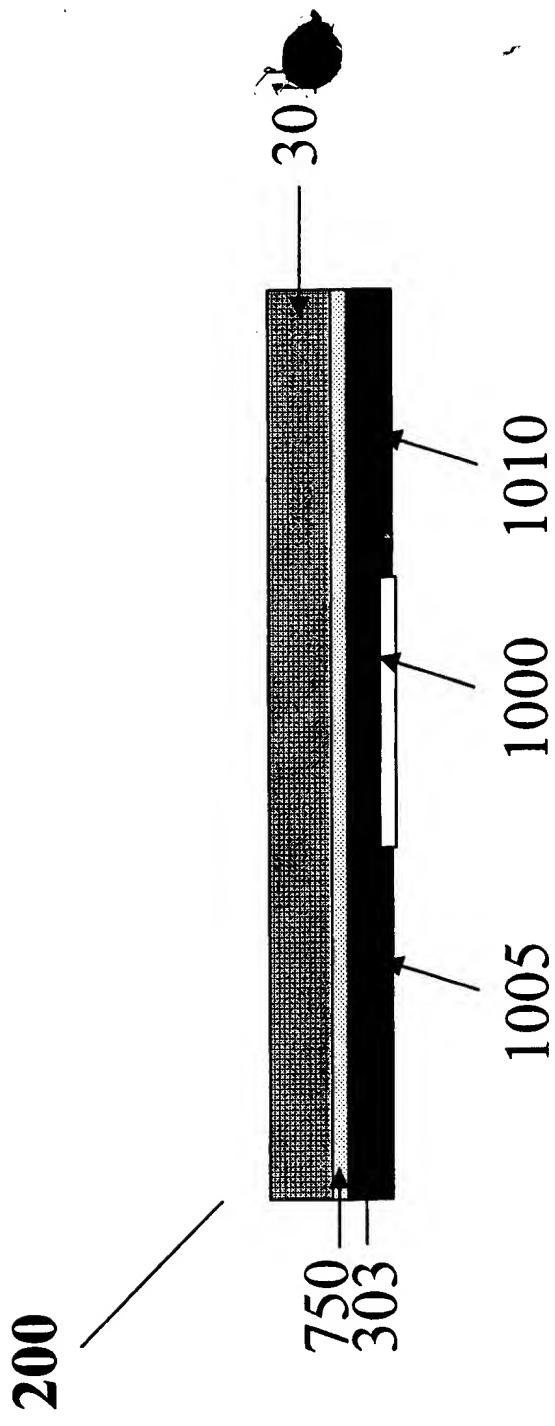


FIG. 10